

Fig. 1 Block diagram of base FO control (BFOC) system (10)

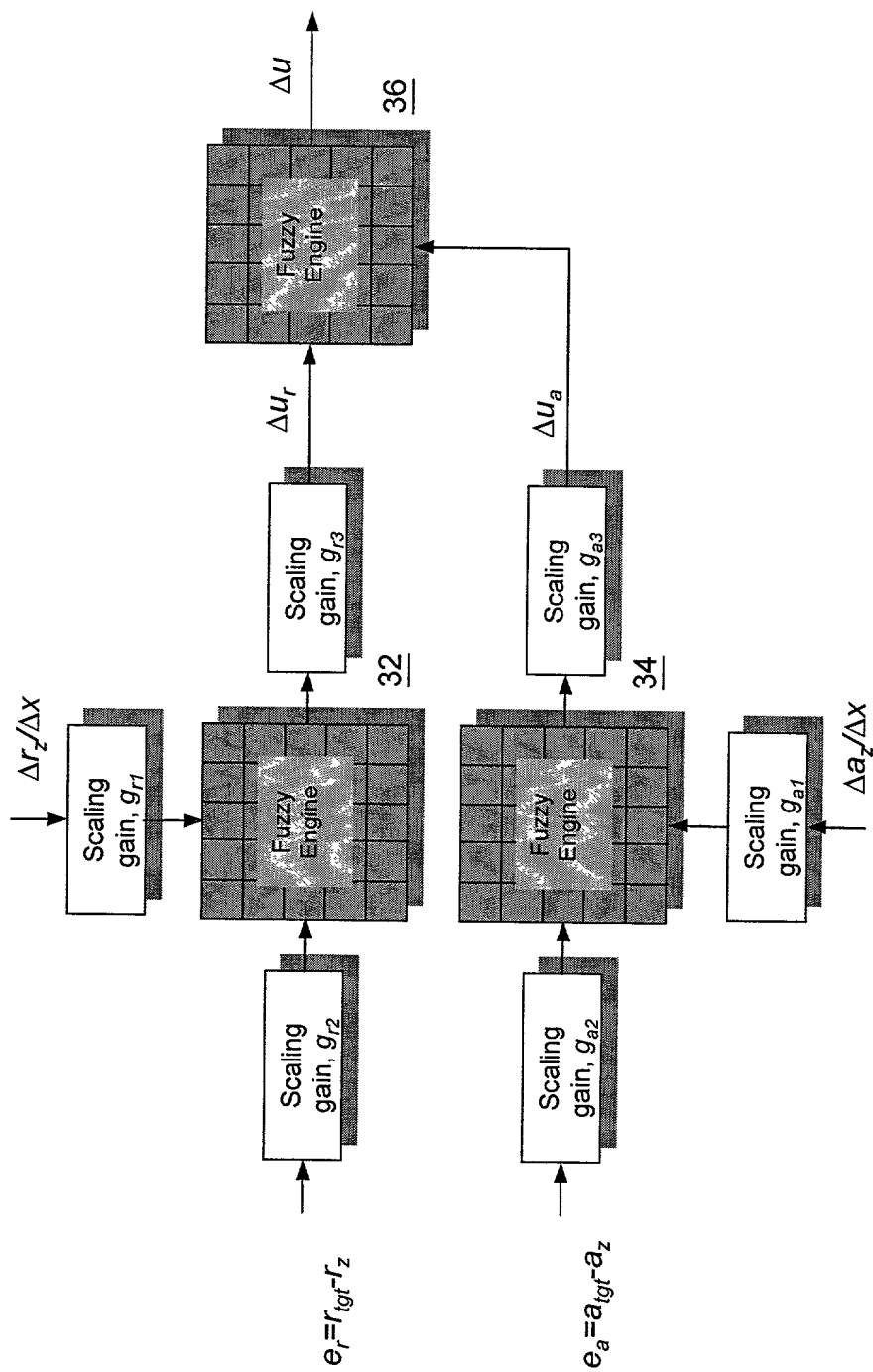


Fig. 2 Base FO controller (BFOC) implementation: embodiment 1 (30)

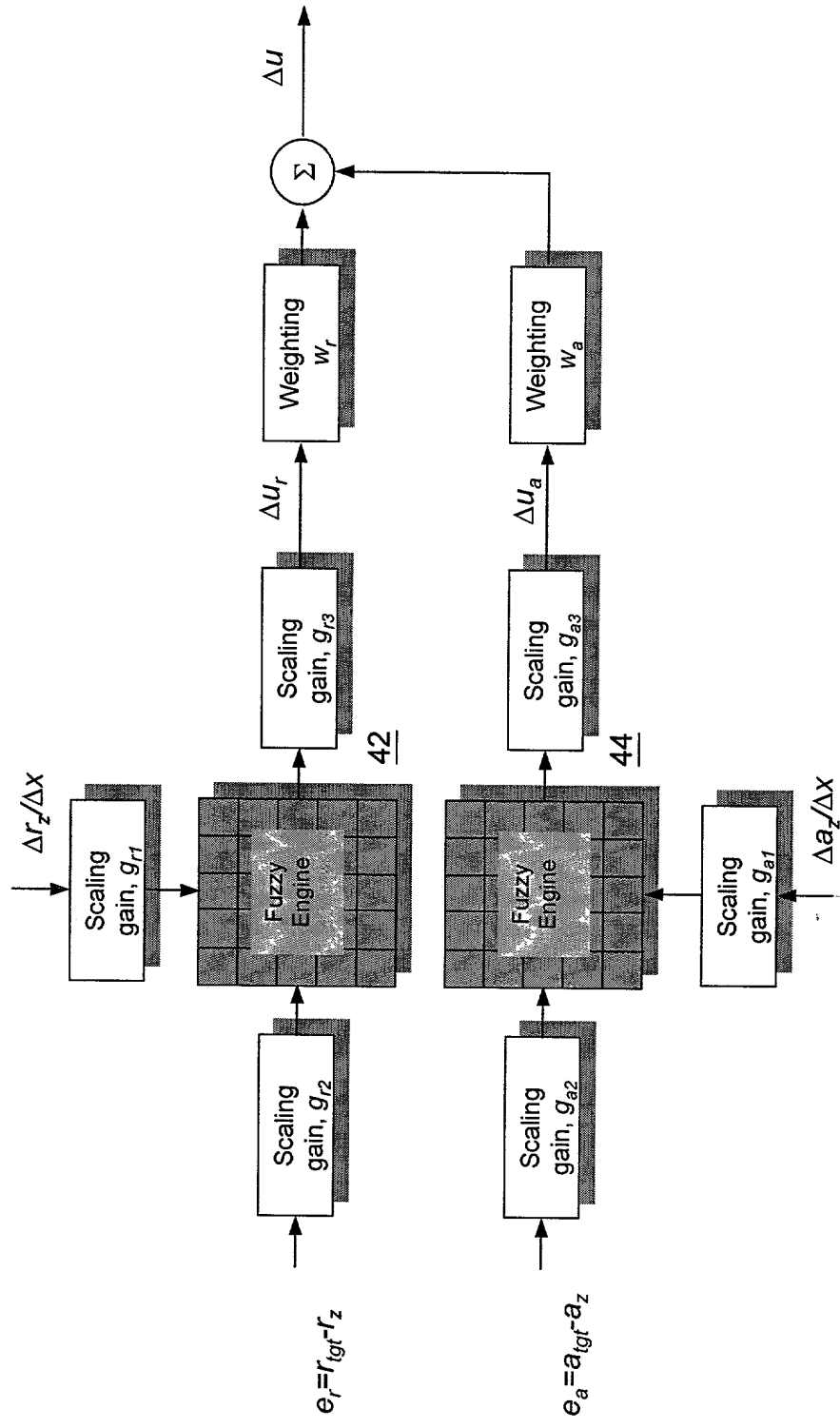


Fig. 3 Base FO controller (BFOC) implementation: embodiment 2 (40)

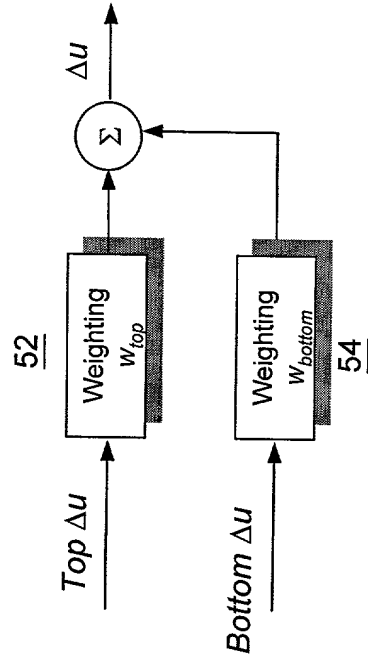


Fig. 4 Base FO controller (BFOC) for single headbox output (50)

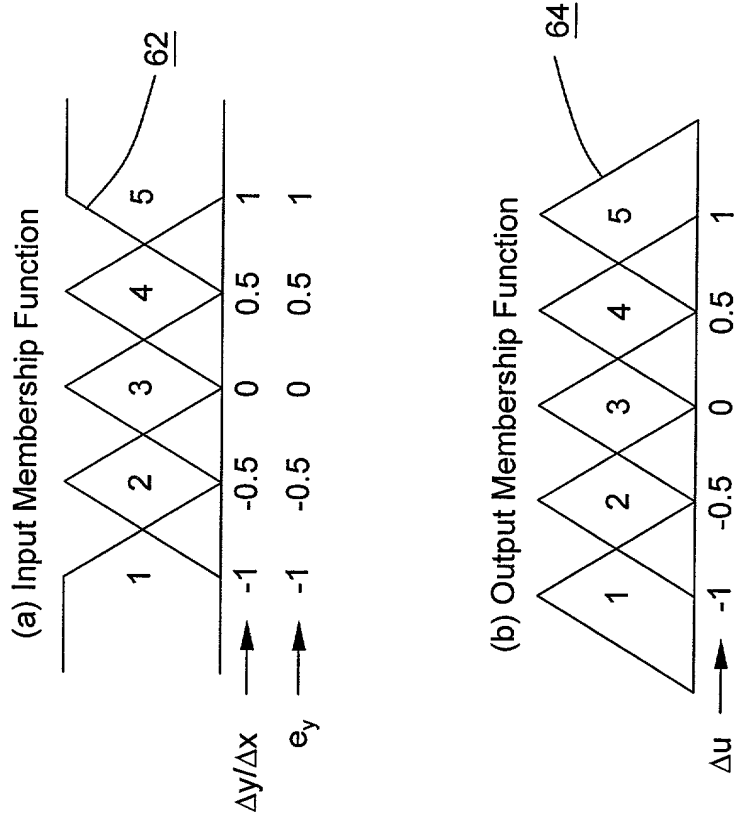


Fig. 5 Membership functions (60)

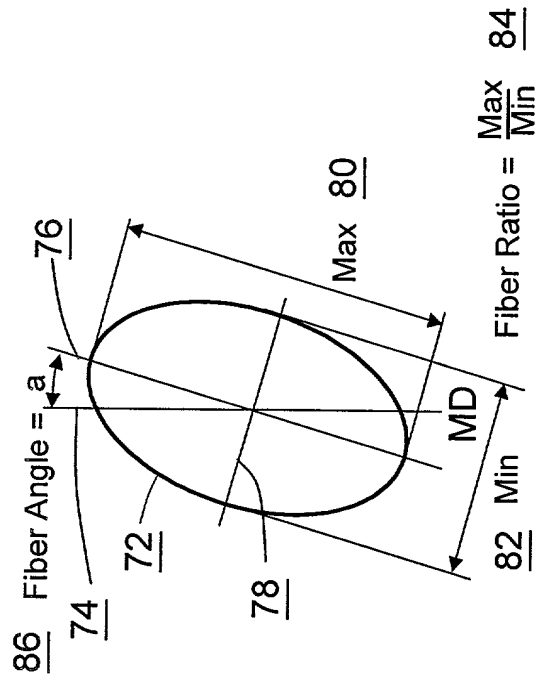


Fig. 6 FO definition (70)

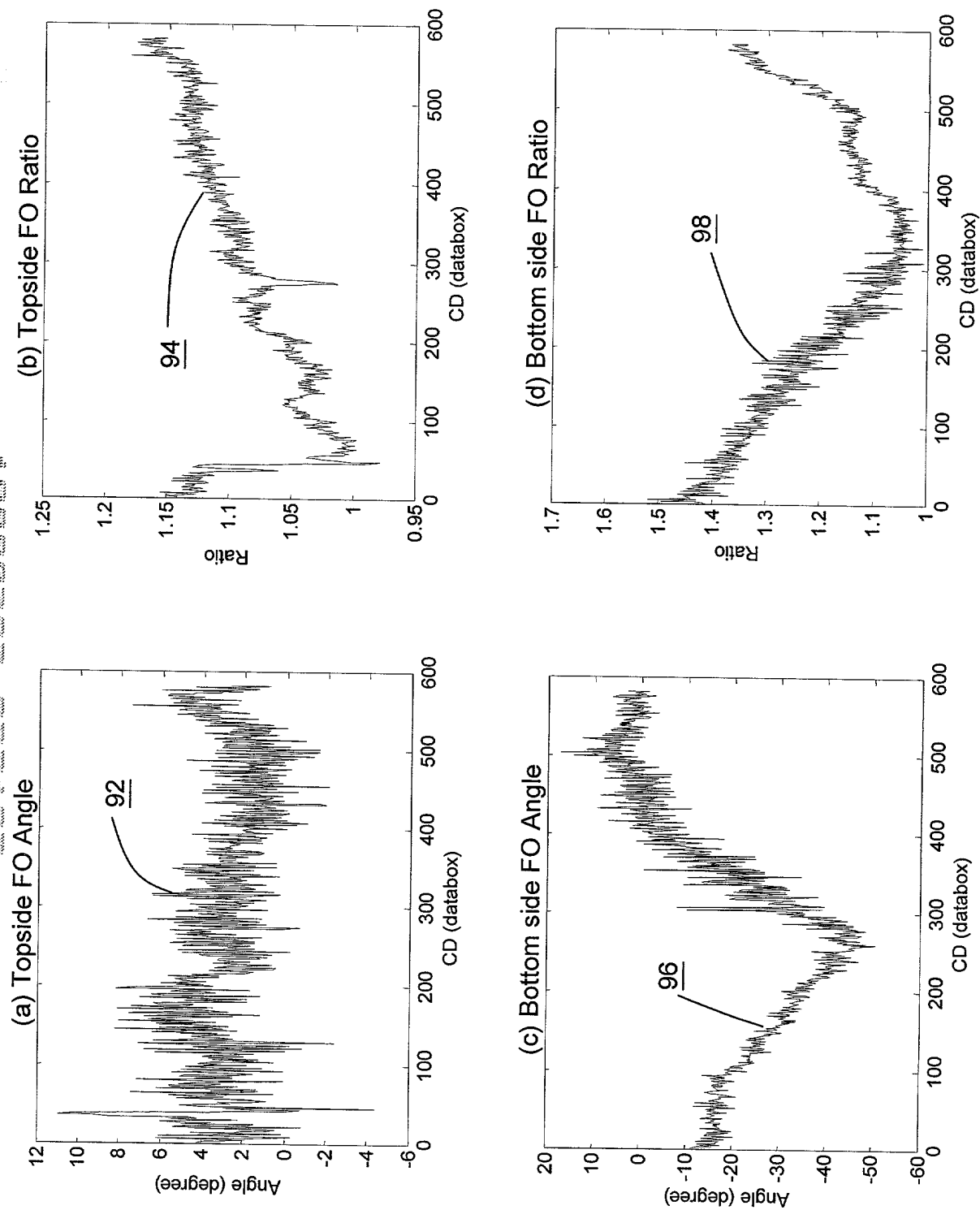
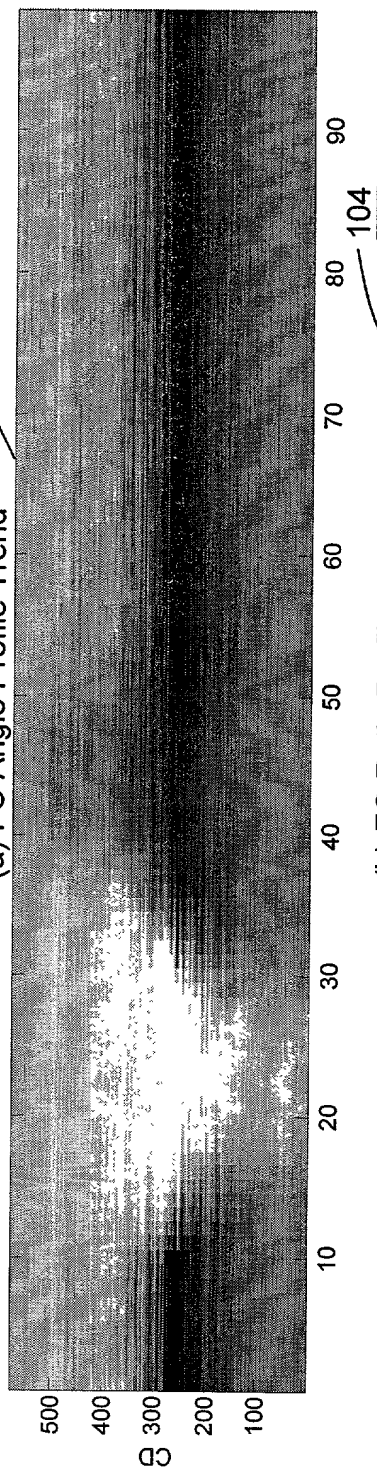


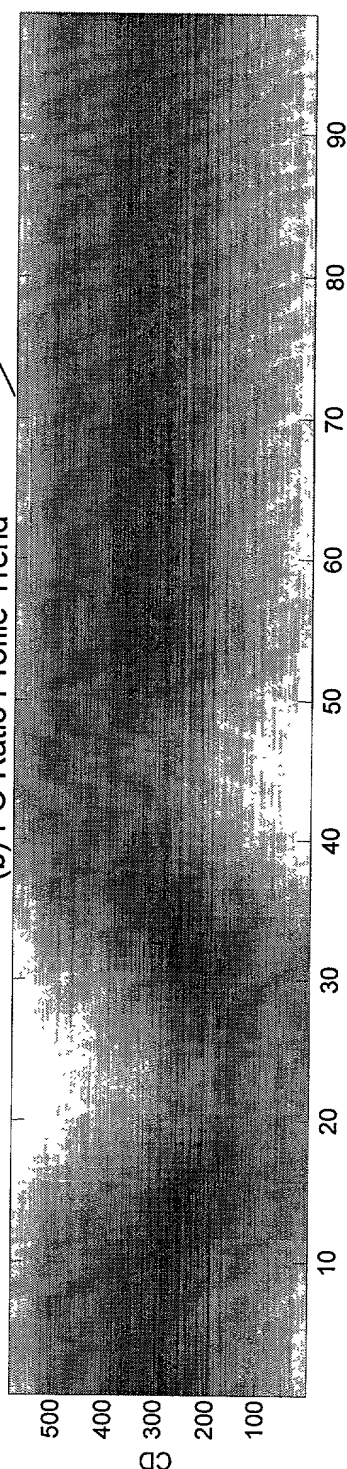
Fig. 7 Four FO profiles measured from an on-line FO scanning sensor (90)

FOOT-BOAT

(a) FO Angle Profile Trend



(b) FO Ratio Profile Trend



(c) $V_j - V_w$ Trend

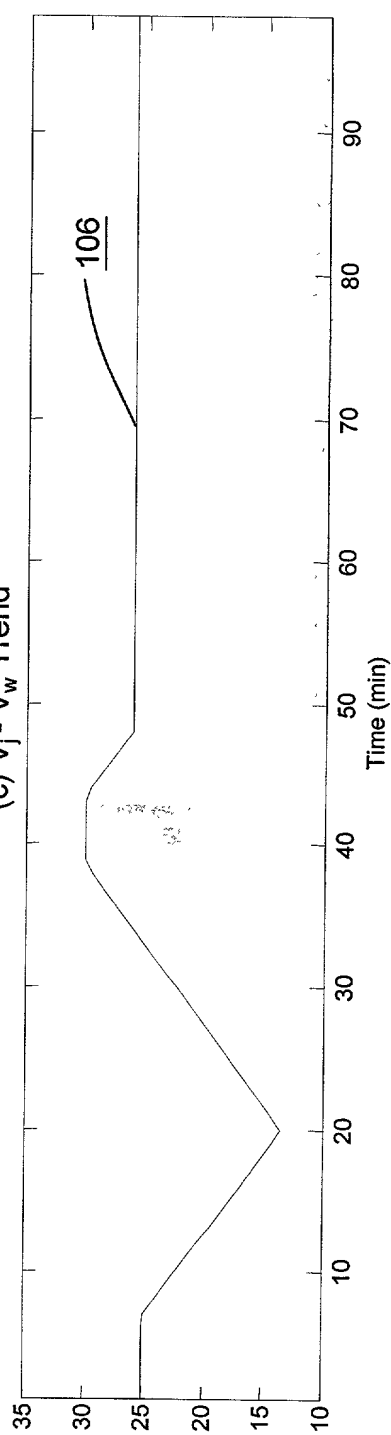


Fig. 8 Two FO profile contours and V_{jw} trend (100)

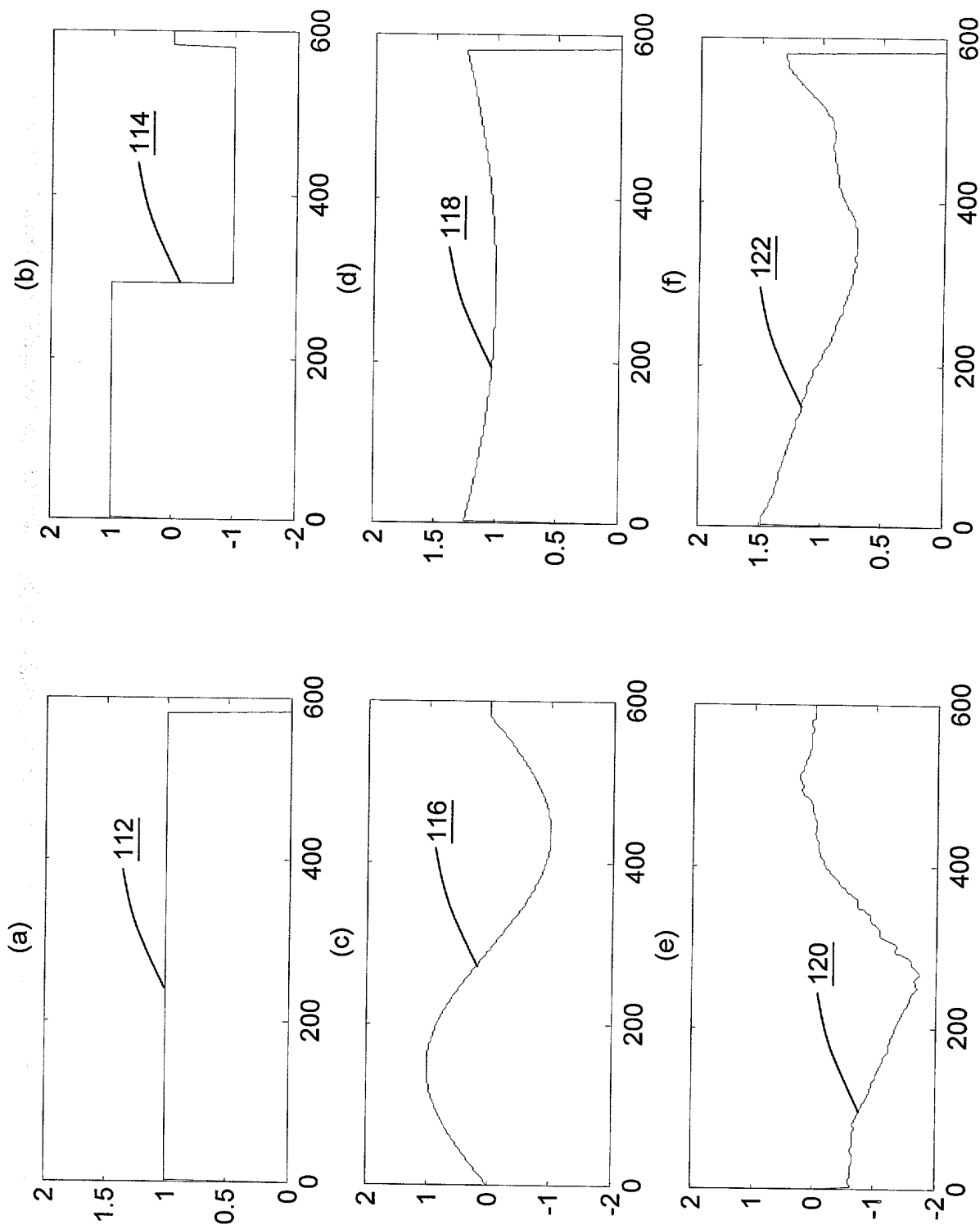


Fig. 9 Examples of reference functions $\underline{(110)}$

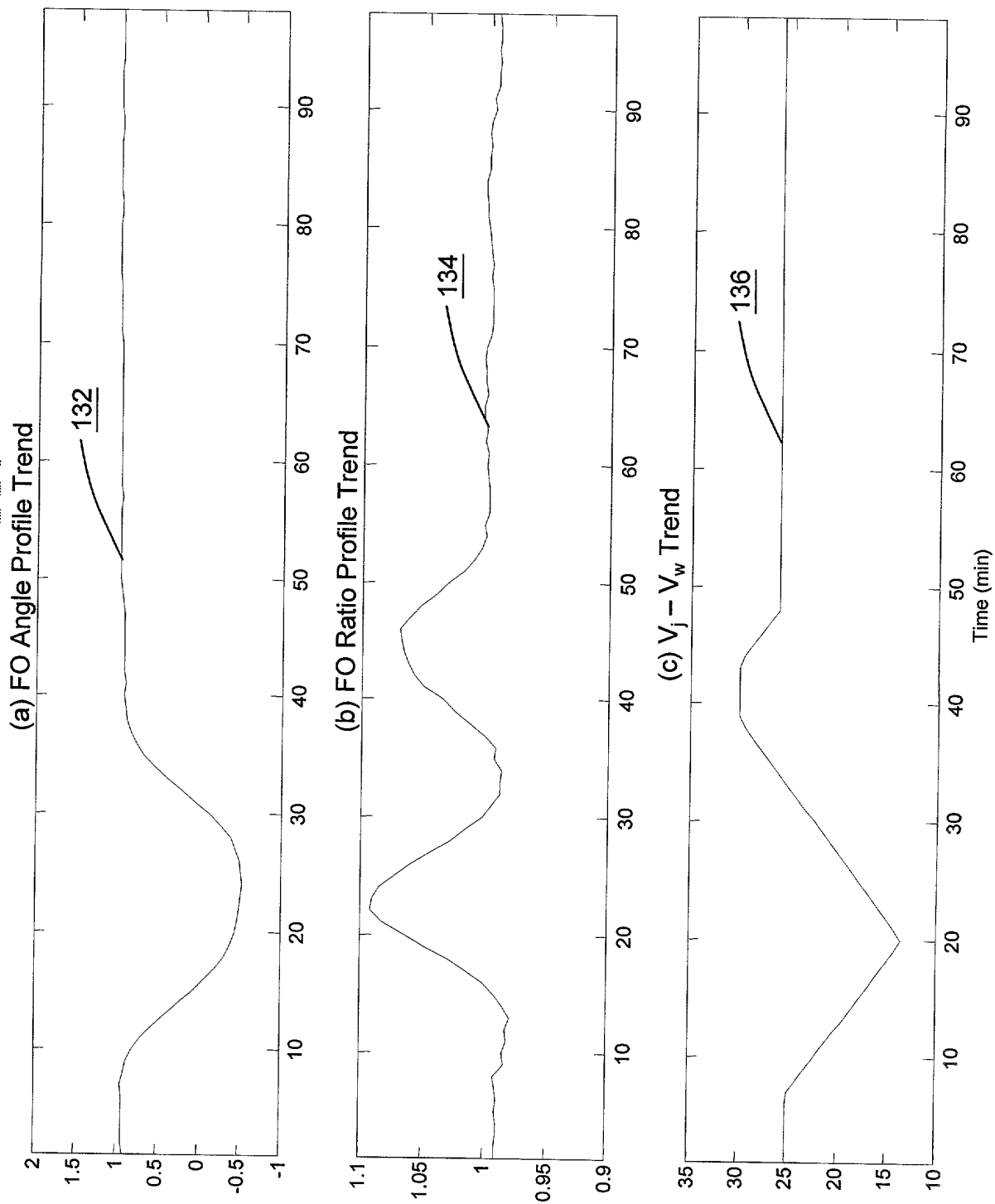


Fig. 10 Trends of FO indices and V_{fw} (130)

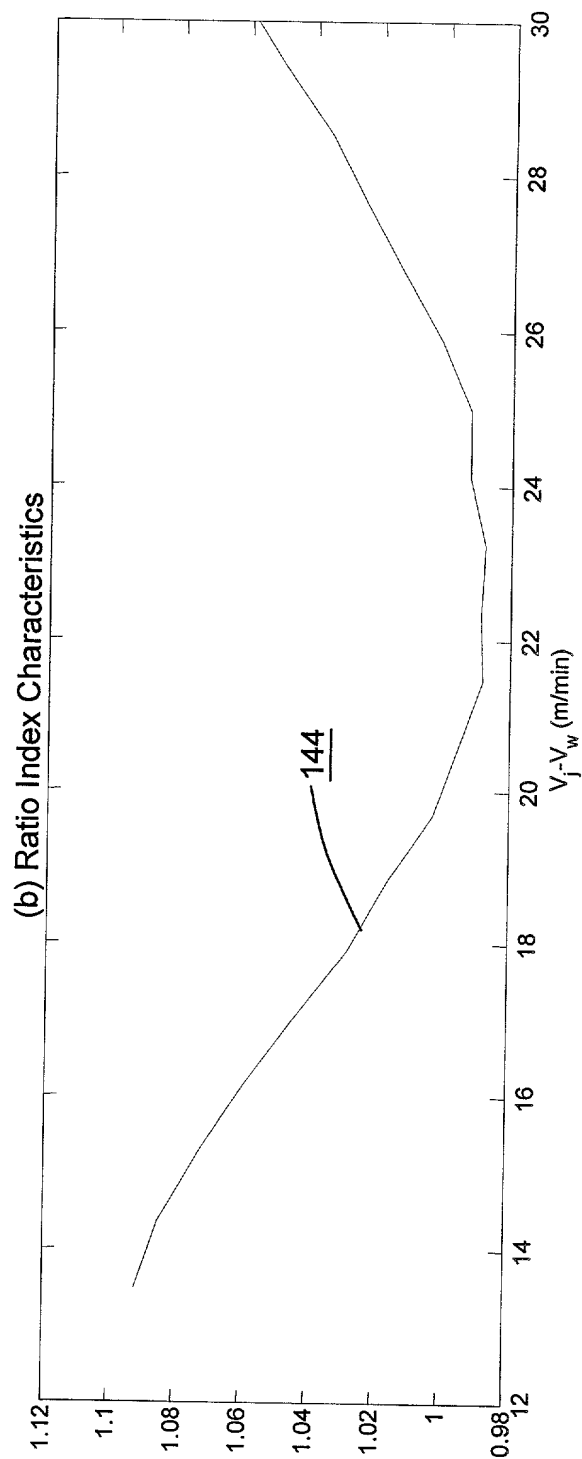


Fig. 11 FO process characteristics (140)